

## ABSTRACT OF THE DISCLOSURE

An image processing system includes an image input unit having a plurality of image input channels; a parallel image data processing unit that receives image data from the image input channels  
5 of the image input unit, divides the image data received into a plurality of divided data, each divided data including data in a number that is less than a predetermined number, and processes in parallel the divided image data; and a sequential image data processing unit that sequentially processes the divided image data output from the image  
10 parallel data processing unit while switching the divided image data for the image input channels.